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CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE DIVISION
PHOTOGRAPHIC INTELLIGENCE REPORT

**SPECIAL RAIL CARS AT SHUANG-CHENG-TZU MISSILE TEST CENTER
AND OTHER SELECTED LOCATIONS IN CHINA**

CIA/PIR-5018/65

JUNE 1965



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1. The special rail cars observed on photography of [] at the possible propellant handling and storage area, Shuang-cheng-tzu Missile Test Center (41 00N - 100 14E), China have been described as specially designed cars for the transportation of missile fuels, liquid oxygen or other chemicals. The tank cars also observed at this location (see Figure 1 and 2) may be used to transport nitric acid or some other type acid.

2. A search was conducted of selected chemical combines in China that are known producers of nitric acid and nitrogen fertilizers for the appearance of these special rail cars and also possible chemical tank cars. No special rail cars were observed at any of the chemical combines, however tank cars could be seen at some of the chemical plants. Six tank cars were observed on photography of [] adjacent to the nitric acid section of the Ta-lien Chemical Combine (38 57 50N - 121 37 20E), China (See Figures 3 and 4). These tank cars and others in the railyard were measured to determine if a common denominator could be found between them and tank cars at Shuang-cheng-tzu Missile Test Center. Tank cars under 30 feet in length have a suspected relationship to nitric acid shipment. Those tank cars with a measurement of [] possibly transport petroleum products.

3. All measurements were made by the NPIC Technical Intelligence Division on the [] 880 comparator using the multiple pointing technique. Lengths and widths of the rail tank cars were difficult to point to as images were poor and there were no sharp corners to locate. Dimensions in most cases may be considered accurate within []

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REFERENCES

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DOCUMENTS

NPIC/R-1065/64 Shuang-cheng-tzu Missile Test Center, China
January 1964 (SECRET)

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NPIC/R-1419/63 Unidentified Railroad Cars at Ta-lien Chemical
Combine, Kan-ching-tzu, Ta-lien, China, August 1963
(SECRET)

25X1
NPIC/R-1039/62 Special Rail Cars at Shuang-cheng-tzu Missile
Center, China October 1962 (SECRET)

25X1
China NIS 39A Sec. 31, Freight Train Equipment, Pages 120, 121
(SECRET)

USSR NIS 26, Freight Train Equipment, Pages 31-122, 31-123
(SECRET)

25X1
REQUIREMENT

CIA. C-RR5-82,536

CIA/PID PROJECT

30612-5

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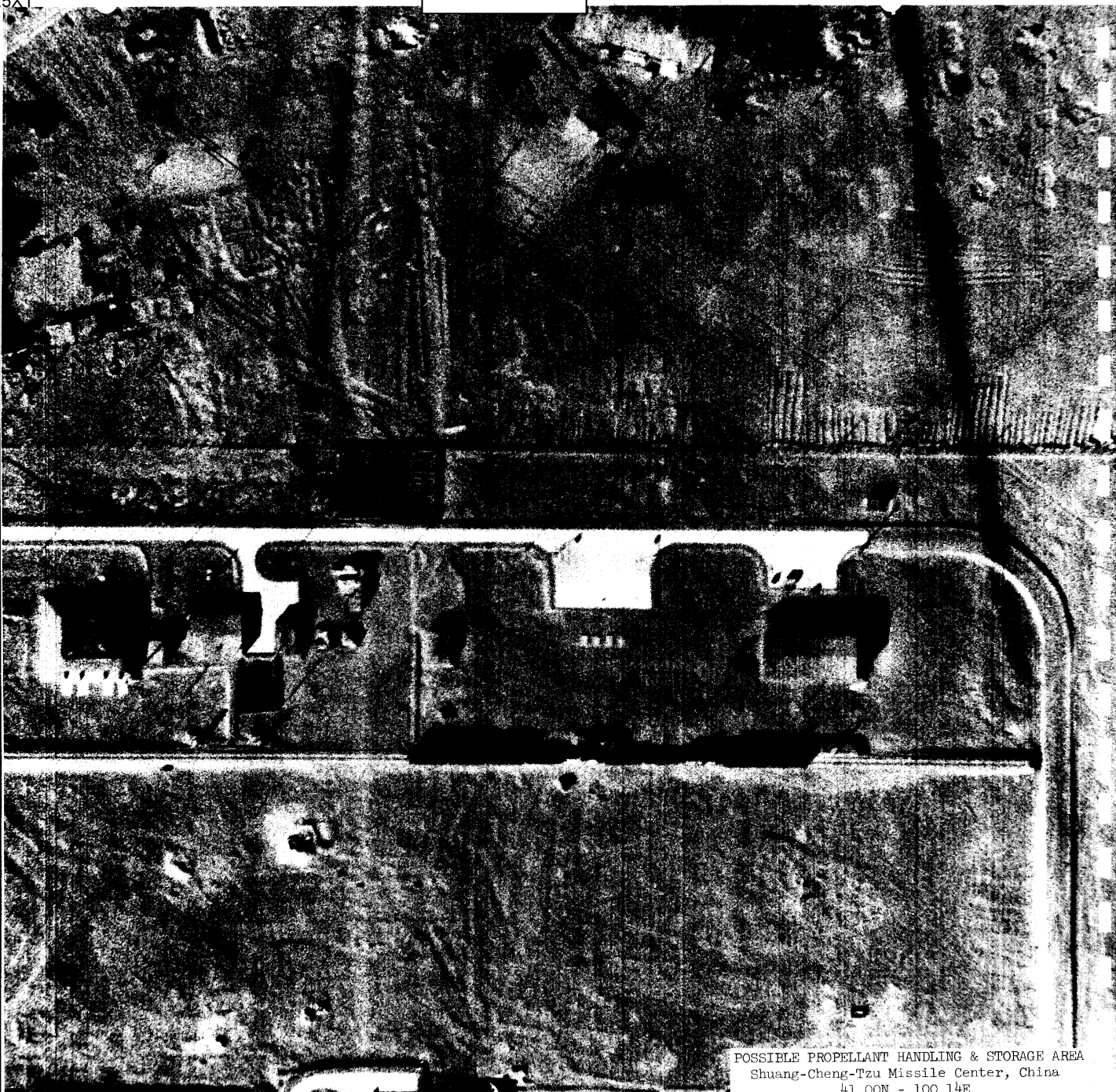
CIA/PIR-5018/65
JUNE 1965

SECRET

25X1

SECRET

5X1



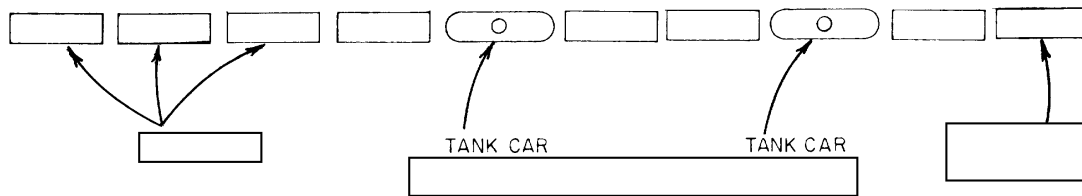
POSSIBLE PROPELLANT HANDLING & STORAGE AREA
Shuang-Cheng-Tzu Missile Center, China
41 00N - 100 14E

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TANK CARS
AT
SHUANG-CH'ENG-TZU
POSSIBLE PROPELLANT STORAGE AREA
CHINA



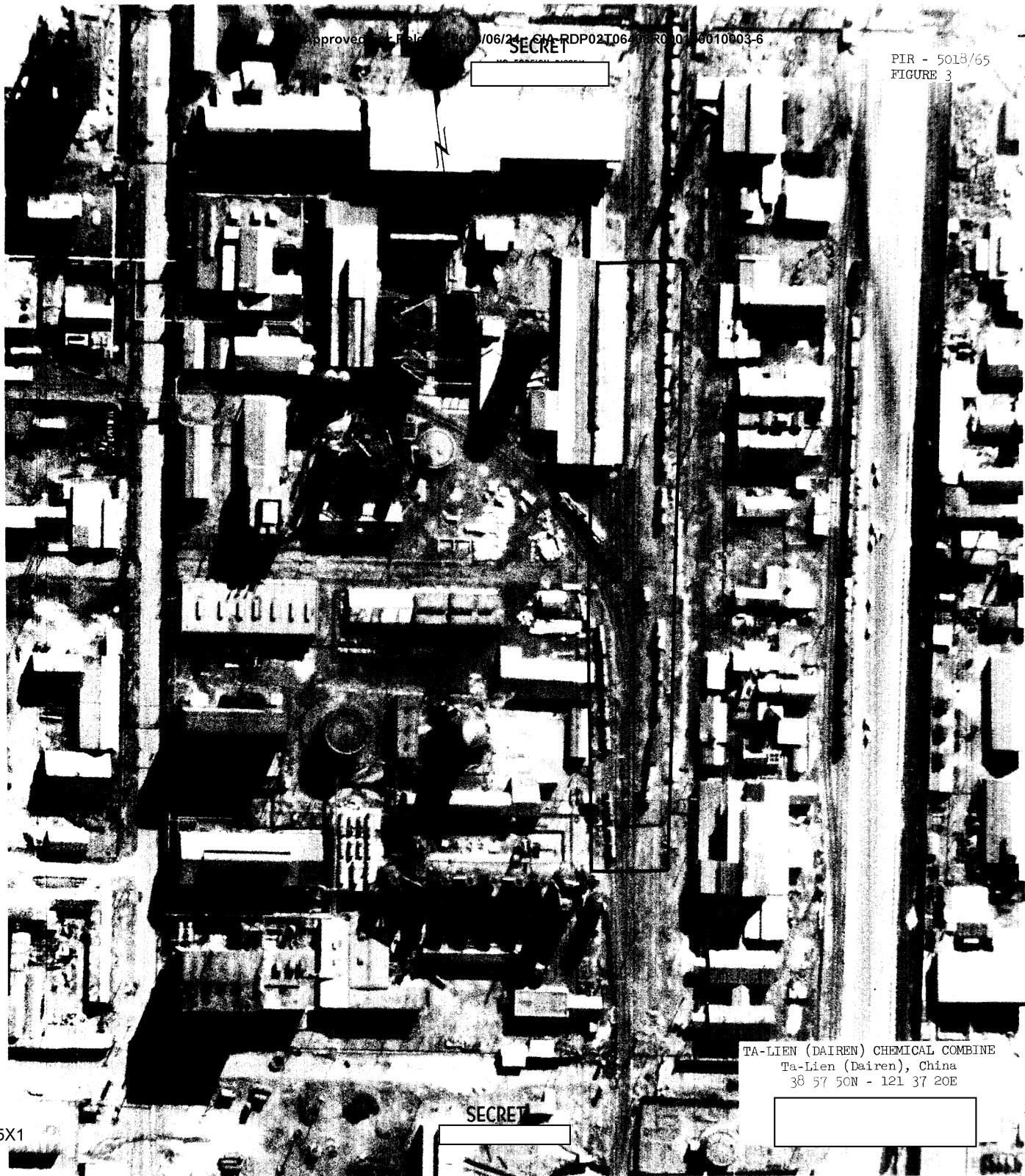
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FIGURE 3

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TA-LIEN (DAIREN) CHEMICAL COMBINE
Ta-Lien (Dairen), China
38 57 50N - 121 37 20E

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FIGURE 4

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TANK CARS
AT
DAIREN CHEMICAL COMBINE
DAIREN, CHINA

GOOD

POOR

GOOD

GOOD

POOR

POOR

GOOD

GOOD

POOR

POOR

NOT TANK CAR

POOR

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